

**Amendments to the Claims:**

Claims 1 – 5, 11, 13, 14, 19 and 20 are currently amended. Claims 6 – 10, 12, 15 – 18, and 21 – 22 are original.

5 **Listing of Claims:**

Claim 1 (currently amended): A method of managing the power distribution for a portable device, which comprises:

- (a) categorizing each task to be executed on the portable device;
- (b) prescribing a power management policy;
- 10 (c) based on the power management policy, allocating a predetermined ratio of a unit power supply to each task according to a category of which each task is associated therewith; and
- (d) increasing ~~the share~~ a ratio of the unit power supply allocated to a task running in an active window according to ~~[[the]]~~ commands entered
- 15 through a graphical user interface.

Claim 2 (currently amended): The method of managing the power distribution for a portable device of claim 1, wherein the unit power supply is obtained by dividing a total power supply amount provided by the portable device by a total  
20 number of ~~[[a]]~~ power supply cycles within a desired usage time of the portable device.

Claim 3 (currently amended): The method of managing the power distribution for a portable device of claim 2, wherein the step of prescribing the power  
25 management policy comprises:  
designating ~~[[a]]~~ the total number of power supply cycles within ~~[[a]]~~ the desired usage time of the portable device and a periodic correction

procedure interval;  
calculating the total power supply amount of the portable device; and  
calculating the unit power supply.

- 5 Claim 4 (currently amended): The method of managing the power distribution for a portable device of claim 3 further comprising:  
(e) observing ~~[[the]]~~ a utilization of the unit power supply allocated to each task when ~~[[a]]~~ the periodic correction procedure is reached; and  
(f) redistributing the unit power supply allocated to each task based on an  
10 observation.

- Claim 5 (currently amended): The method of managing the power distribution for a portable device of claim 1, wherein in the step of increasing the ratio of the unit power supply allocated to ~~[[a]]~~ the task running in ~~[[an]]~~ the active window, a  
15 maximum increase to the ratio share of the unit power supply allocated to ~~[[a]]~~ the task running in ~~[[an]]~~ the active windows equals ~~[[to]]~~ an entire share ~~the~~ total share of the unit power supply allocated to tasks having a batch attribute.

- Claim 6 (original): The method of managing the power distribution for a portable device  
20 of claim 1 further comprising detecting input/output devices being interacted with each task, and changes the category of which each task is associated therewith according to the type of the input/output devices.

- Claim 7 (original): The method of managing the power distribution for a portable device  
25 of claim 6 wherein:  
if the input/output device interacting with a task is a sound card, categorizing the task into a soft real-time task.

Claim 8 (original): The method of managing the power distribution for a portable device of claim 6 wherein:  
if the input/output device interacting with a task is a mouse, categorizing the task into an interactive task.

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Claim 9 (original): The method of managing the power distribution for a portable device of claim 1, wherein the graphical user interface is implemented as a slide bar.

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Claim 10 (original): The method of managing the power distribution for a portable device of claim 1, wherein the graphical user interface is shown in the active window.

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Claim 11 (currently amended): A method of managing the power distribution for a portable device, the method comprising:

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- (a) categorizing each task to be executed on the portable device;
- (b) prescribing a power management policy;
- (c) based on the power management policy, distributing a predetermined ratio of a unit power supply among the tasks according to ~~[[the]]~~ a category of which each task is associated therewith; and
- (d) in response to ~~[[the]]~~ commands inputted through a graphical user interface, transferring ~~the share~~ a ratio of a unit power supply allocated to tasks having a batch attribute to a task running in an active window.

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Claim 12 (original): The method of managing the power distribution for a portable device of claim 11, wherein the unit power supply is obtained by dividing a total power supply amount provided by the portable device by a total number of power supply cycles within a desired usage time of the portable device.

Claim 13 (currently amended): The method of managing the power distribution for a portable device of claim 12, wherein the power management policy comprises the steps:

designating ~~[[a]]~~ the total number of power supply cycles within ~~[[a]]~~ the  
5           desired usage time of the portable device and a periodic correction  
            procedure interval;  
calculating the total power supply amount of the portable device; and  
calculating the unit power supply.

10    Claim 14 (currently amended): The method of managing the power distribution for a portable device of claim 12 further comprising:

- (e) observing ~~[[the]]~~ a utilization of the unit power supply allocated to each task when ~~[[a]]~~ the periodic correction procedure is reached; and
- (f) redistributing the unit power supply allocated to each task based on an  
15           observation.

Claim 15 (original): The method of managing the power distribution for a portable device of claim 11 further comprising detecting input/output devices being interacted with each task, and changing the category of which each task is associated  
20           therewith according to the type of the input/output devices

Claim 16 (original): The method of managing the power distribution for a portable device of claim 11 wherein:  
if the input/output device interacting with a task is a sound card, categorizing  
25           the task into a soft real-time task.

Claim 17 (original): The method of managing the power distribution for a portable device of claim 11 wherein:

if the input/output device interacting with a task is a mouse, categorizing the task into an interactive task.

5 Claim 18 (original): The method of managing the power distribution for a portable device of claim 11, wherein the graphical user interface is implemented as a slide bar.

Claim 19 (currently amended): A portable device comprising:  
a processor for executing multiple tasks in an operating system;  
a power management device for categorizing each task to be executed on the  
10 portable device, prescribing a power management policy, distributing a predetermined ratio of a unit power supply among the tasks based on the power management policy according to ~~[[the]]~~ a category of which each task is associated therewith, increasing ~~the share~~ a ratio of the unit power supply allocated to a task running in an active window in response to ~~[[the]]~~  
15 commands input by a user.

Claim 20 (currently amended): The portable device of claim 19, wherein the power management device provides a graphical user interface for ~~[[a]]~~ the user to increase the ~~share~~ ratio of the unit power supply allocated to ~~[[a]]~~ the task  
20 running in ~~[[an]]~~ the active window through the commands input by the user.

Claim 21 (original): The portable device of claim 20, wherein the graphical user interface is shown in the active window.

25 Claim 22 (original): The portable device of claim 21, wherein the graphical user interface is implemented as a slide bar.